

Appendix I.
Implementation through NPDES Program

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Abbreviations and Acronyms¹

HU	hydrologic unit
LTCP	long-term control plan
MS4	municipal separate storm sewer system
NCCW	non-contact cooling water
NPDES	National Pollutant Discharge Elimination System
TMDL	total maximum daily load
TP	total phosphorus
TSS	total suspended solids
UT	unnamed tributary
WTP	water treatment plant

Units of Measure²

c/d	<i>Escherichia coli</i> counts per day
c/hmL	<i>Escherichia coli</i> counts per 100 milliliters
lb/d	pounds per day
mgd	million gallons per day
mg/L	milligrams per liter

¹ All abbreviations and acronyms in this appendix are defined above. They are not defined in the footnotes below each table.

² All units of measure in this appendix are defined above. They are not defined in the footnotes below each table.

Table I-1. Recommended implementation actions through the NPDES program for total phosphorus

NPDES ID	Facility	Receiving waterbody	HU	Design flow (mgd)	WLA (lb/d)	WLA (mg/L)	Comment
IN0000566	Auburn Gear Inc.	Cedar Creek	06 04	0.1	0.83 - 1.00	1.0	--
				storm water	0.01 - 1.00	0.3	--
IN0000868	Rieke Packaging Systems	Cedar Creek	06 04	storm water	0.01 - 1	0.3	--
IN0020664	Avila WWTP	UT to Kings Lake	07 05	0.2	0.29 - 5	1.0	0.29 lb/d for low flow duration only
IN0020672	Auburn WWTP	Cedar Creek	06 04	4.5	16.56 - 38	1.0	16.56 lb/d for low flow duration only
IN0020711	Waterloo Municipal STP	Cedar Creek	06 02	0.24	1.562 - 3.1	1.0	1.562 lb/d for low flow duration only
IN0022462	Butler WWTP	Big Run	05 02	2	7.57 - 25	1.0	7.57 lb/d for low flow duration only
IN0029969	Garrett WWTP	Garrett City Ditch	07 07	1.2	0.56 - 10	1.0	0.56 lb/d for low flow duration only
IN0032107	Indian Springs Rec Campground	Little Cedar Creek	07 05	0.04	0.01 - 1	1.0	0.01 lb/d for low flow duration only summer recreation season discharge only
IN0046043	Contech U.S., LLC	Grandstaff Ditch	06 04	storm water	0.01 - 0.1	0.30	--
IN0047473	Corunna WWTP	UT to John Diehl Ditch	07 01	0.024	0.01 - 1	1.0	0.01 lb/d for low flow duration only
IN0050822	Hamilton Lake Conservancy District	Hiram Sweet Ditch	04 04	0.3	3.76	1.0	--
IN0058441	St. Joe - Spencerville Regional Sewer District	St. Joseph River	08 02	0.17	0.54 - 2	1.0	0.54 lb/d for low flow duration only
IN0058611	La Otto Regional Sewer District	Black Creek	07 04	0.05	0.02 - 1	1.0	0.02 lb/d for low flow duration only
IN0059021	Steel Dynamics Inc.	Sol Shank Ditch	05 06	0.120	10	1.0	--
				storm water	0.01 - 2	0.3	--
IN0061263	Metal Technologies	Diehl Ditch	07 02	storm water	0.01 - 1	0.3	--
ING340037	Benchmark Distribution Terminals	Schwartz Ditch	06 01	storm water	0.01 - 0.2	0.3	petroleum product terminal
			06 02	storm water	0.001 - 0.2	0.3	

Note: Facilities are sorted alphanumerically by permit number.

The following facilities are not expected to discharge TSS and are excluded from this table: Avila Water Department (IN0052035; WTP); Eastside High School (IN0063061; NCCW); Fort Wayne Utilities – Honeysuckle Site (IN0063061; WTP); Grabill Water Works (IN0044369; WTP); Hamilton Water Works (IN0060216; WTP); Northcrest Shopping Center (ING080271; groundwater petroleum remediation systems); Pickle Properties. LLC (IN0032981); Stafford Gravel, Inc. (ING490043; dimension stone and crushed stone operations); and Tower Automotive USA II (IN0046761; NCCW).

Specified waste-streams at the following facilities are not expected to discharge TSS and are excluded from this table: Auburn Gear Inc. (IN0000566; NCCW); Contech U.S., LLC (IN0046043; NCCW); Metal Technologies (IN0061263; NCCW) and Rieke Packaging Systems (IN0000868; NCCW).

Table I-2. Recommended implementation actions through the NPDES program for TSS

NPDES ID	Facility	Receiving waterbody	HU	Design flow (mgd)	WLA (lb/d)	WLA (mg/L)	Comment
IN0000566	Auburn Gear Inc.	Cedar Creek	06 04	0.1	150	30	--
				storm water	1 - 104	30	--
IN0000868	Rieke Packaging Systems	Cedar Creek	06 04	storm water	1 - 104	30	--
IN0020664	Avila WWTP	UT to Kings Lake	07 05	0.2	150	30	--
IN0020672	Auburn WWTP	Cedar Creek	06 04	4.5	1,127	30	--
IN0020711	Waterloo Municipal STP	Cedar Creek	06 02	0.24	92	30	--
IN0022462	Butler WWTP	Big Run	05 02	2	751	30	--
IN0029969	Garrett WWTP	Garrett City Ditch	07 07	1.2	300	30	--
IN0032107	Indian Springs Rec Campground	Little Cedar Creek	07 05	0.04	10	30	summer recreation season discharge only
IN0032981	Pickle Properties, LLC	Hindman Ditch	08 01	0.036	6	30	--
IN0044369	Grabill Water Works	Witmer Ditch	08 04	0.035	13	30	--
IN0046043	Contech U.S., LLC	Grandstaff Ditch	06 04	storm water	1 - 10	30	--
IN0047473	Corunna WWTP	UT to John Diehl Ditch	07 01	0.024	14	70	NPDES permit limit of 70 mg/L.
IN0050822	Hamilton Lake Conservancy District	Hiram Sweet Ditch	04 04	0.3	113	30	--
IN0052035	Avila Water Department	UT to Kings Lake	07 05	0.034	9	30	--
IN0058441	St. Joe - Spencerville Regional Sewer District	St. Joseph River	08 02	0.17	43	30	--
IN0058611	La Otto Regional Sewer District	Black Creek	07 04	0.05	29	70	NPDES permit limit of 70 mg/L.
IN0059021	Steel Dynamics Inc.	Sol Shank Ditch	05 06	0.120	300	30	--
				storm water	1 - 108	30	--
IN0060216	Hamilton Water Works	William Egbert Ditch	04 04	0.058	15	30	--
IN0061263	Metal Technologies	Diehl Ditch	07 02	storm water	1 - 104	30	--
IN0063061	Fort Wayne Utilities – Honeysuckle Site	Schwartz-Carnahan Ditch	08 03	0.02	5	30	--
ING340037	Benchmark Distribution Terminals	Schwartz Ditch	06 01	storm water	1 - 104	30	--
			06 02				
ING490043	Stafford Gravel Inc.	Christoffel Ditch	05 05	0.04	10	30	--

Notes

Facilities are sorted alphanumerically by permit number.

The following facilities are not expected to discharge TSS and are excluded from this table: Eastside High School (IN0063061; NCCW) and Northcrest Shopping Center (ING080271; groundwater petroleum remediation systems); and Tower Automotive USA II (IN0046761; NCCW).

Specified waste-streams at the following facilities are not expected to discharge TSS and are excluded from this table: Auburn Gear Inc. (IN0000566; NCCW); Contech U.S., LLC (IN0046043; NCCW); Metal Technologies (IN0061263; NCCW) and Rieke Packaging Systems (IN0000868; NCCW).

Table I-3. Recommended implementation actions through the NPDES program for *E. coli*

NPDES ID	Facility	Receiving waterbody	HU	Design flow (mgd)	WLA (c/d)	WLA (c/hmL)	Recommended permit condition for <i>E. coli</i> (c/hmL)
IN0000566	Auburn Gear Inc.	Cedar Creek	06 04	0.1	$4.73 * 10^8$	125	Average monthly limit of 125
				storm water	$5.26 * 10^6$ to $3.59 * 10^8$	125	Average monthly limit of 125
IN0000868	Rieke Packaging Systems	Cedar Creek	06 04	storm water	$2.63 * 10^6$ to $3.57 * 10^8$	125	Average monthly limit of 125
IN0020664	Avila WWTP	UT to Kings Lake	07 05	0.2	$2.84 * 10^9$	125	Average monthly limit of 125
IN0020672	Auburn WWTP	Cedar Creek	06 04	4.5	$2.13 * 10^{10}$	125	Average monthly limit of 125
IN0020711	Waterloo Municipal STP	Cedar Creek	06 02	0.24	$1.75 * 10^9$	125	Average monthly limit of 125
IN0022462	Butler WWTP	Big Run	05 02	2	$1.42 * 10^{10}$	125	Average monthly limit of 125
IN0029969	Garrett WWTP	Garrett City Ditch	07 07	1.2	$5.68 * 10^9$	125	Average monthly limit of 125
IN0032107	Indian Springs Rec Campground	Little Cedar Creek	07 05	0.04	$1.89 * 10^8$	125	Average monthly limit of 125 Recreation season only
IN0046043	Contech U.S., LLC	Grandstaff Ditch	06 04	storm water	$1.36 * 10^6$ to $1.79 * 10^8$	125	Average monthly limit of 125
IN0047473	Corunna WWTP	UT to John Diehl Ditch	07 01	0.024	$1.14 * 10^8$	125	Average monthly limit of 125
IN0050822	Hamilton Lake Conservancy District	Hiram Sweet Ditch	04 04	0.3	$2.13 * 10^9$	125	Average monthly limit of 125
IN0058441	St. Joe - Spencerville Regional Sewer District	St. Joseph River	08 02	0.17	$8.04 * 10^8$	125	Average monthly limit of 125
IN0058611	La Otto Regional Sewer District	Black Creek	07 04	0.05	$2.37 * 10^8$	125	Average monthly limit of 125
IN0059021	Steel Dynamics Inc.	Sol Shank Ditch	05 06	0.120	$5.68 * 10^8$	125	Average monthly limit of 125
				storm water	$3.09 * 10^6$ to $5.13 * 10^8$	125	Average monthly limit of 125
IN0061263	Metal Technologies	Diehl Ditch	07 02	storm water	$4.09 * 10^6$ to $5.37 * 10^8$	125	Average monthly limit of 125
ING340037	Benchmark Distribution Terminals	Schwartz Ditch	06 01	storm water	$2.75 * 10^6$ to $2.88 * 10^8$	125	--
			06 02	storm water	$3.28 * 10^6$ to $2.89 * 10^8$	125	--

Notes

Facilities are sorted alphanumerically by permit number.

The following facilities are not expected to discharge *E. coli* and are excluded from this table: Avila Water Department (IN0052035; WTP); Eastside High School (IN0063061; NCCW); Fort Wayne Utilities – Honeysuckle Site (IN0063061; WTP); Grabill Water Works (IN0044369; WTP); Hamilton Water Works (IN0060216; WTP); Northcrest Shopping Center (ING080271; groundwater petroleum remediation systems); Pickle Properties, LLC (IN0032981); Stafford Gravel, Inc. (ING490043; dimension stone and crushed stone operations); and Tower Automotive USA II (IN0046761; NCCW).

Specified waste-streams at the following facilities are not expected to discharge *E. coli* and are excluded from this table: Auburn Gear Inc. (IN0000566; NCCW); Metal Technologies (IN0061263; NCCW) and Rieke Packaging Systems (IN0000868; NCCW).

Table I-4. Recommended implementation actions through the NPDES program for TP and TSS at combined sewer systems

NPDES ID	Facility	Receiving waterbody	HU	TP WLA (pound per day)	TSS WLA (pound per day)
IN0020672	Auburn WWTP	Cedar Creek	06 04	0*	0*
IN0022462	Butler WWTP	Big Run	05 02	0*	0*
IN0032191	Fort Wayne Municipal WWTP	St. Joseph River	08 06	0*	0*

Notes

*The WLAs for each permittee are set to 0 for CSO discharges, this does not mean the immediate prohibition of CSOs, but rather that another mechanism will address the CSOs. The mechanism that implements the CSO WLAs is the LTCP and the NPDES permit, the TMDL does not alter the ongoing activities and efforts of the LTCP. Each permittee is working on Long-Term Control Plan implementation with IDEM and EPA to address long-term control of CSO discharges to the St. Joseph River. As the LTCPs are implemented, the annual impacts of CSOs upon water quality will be reduced considerably.

Table I-5. Recommended implementation actions through the NPDES program for *E. coli* at combined sewer systems

NPDES ID	Facility	Receiving waterbody	HU	<i>E. coli</i> WLA (counts per day)
IN0020672	Auburn WWTP	Cedar Creek	06 04	0*
		John Diehl Ditch		0*
IN0022462	Butler WWTP	Big Run	05 02	0*

Notes

*The WLAs for each permittee are set to 0 for CSO discharges, this does not mean the immediate prohibition of CSOs, but rather that another mechanism will address the CSOs. The mechanism that implements the CSO WLAs is the LTCP and the NPDES permit, the TMDL does not alter the ongoing activities and efforts of the LTCP. Each permittee is working on Long-Term Control Plan implementation with IDEM and EPA to address long-term control of CSO discharges to the St. Joseph River. As the LTCPs are implemented, the annual impacts of CSOs upon water quality will be reduced considerably.

Table I-6. Recommended implementation actions through the NPDES program for MS4s for TP and TSS

NPDES ID	Permittee	HU	TP WLA (pounds per day)	TSS WLA (pounds per day)
INR040029	city of Fort Wayne ^{a,b} Indiana University-Purdue University – Fort Wayne Ivy Tech State College – Northeast Indiana Institute of Technology ^c University of Saint Francis ^c	08 06	0.84 to 182	48 to 11,711
INR040119	city of Auburn ^b	07 02	0.01 to 0.3	1 to 29
		07 07	0.08 to 29	35 to 2,681
INR040131	Allen County ^d town of Huntertown Town of Leo-Cedarville	07 05	--	1 to 56
		07 07	0.08 to 27	32 to 2,474
		08 06	0.47 to 103	27 to 6,601

Notes

Facilities are sorted alphanumerically by permit number.

Ranges of WLAs are totals for all tributaries within the regulated area of each MS4 within the specified HU.

a. Portions of Fort Wayne are outside of the SJRW.

b. Portions of these cities are also a combined sewer systems; such portions are not part of the regulated MS4s.

c. The Indiana Institute of Technology is in Maumee River watershed, downstream of the SJRW, and the University of Saint Francis is in the St. Mary's River watershed.

d. Excludes the city of Fort Wayne.

Table I-7. Recommended implementation actions through the NPDES program for MS4s for *E. coli*

NPDES ID	Permittee	HU	<i>E. coli</i> WLA (counts per day)
INR040119	city of Auburn ^a	06 04	$2.77 * 10^8$ to $3.79 * 10^{10}$
		07 02	$4.03 * 10^6$ to $5.30 * 10^8$
		07 07	$2.62 * 10^8$ to $1.04 * 10^{10}$
		08 03	$3.98 * 10^5$ to $6.64 * 10^8$
INR040131	Allen County ^b town of Huntertown Town of Leo-Cedarville	07 05	$1.16 * 10^7$ to $1.00 * 10^9$
		07 06	$2.82 * 10^8$ to $3.31 * 10^{10}$
		07 07	$3.21 * 10^8$ to $1.27 * 10^{10}$
		08 03	$7.16 * 10^6$ to $1.20 * 10^{10}$

Notes

Facilities are sorted alphanumerically by permit number.

Ranges of WLAs are totals for all tributaries within the regulated area of each MS4 within the specified HU.

a. Portions of the city of Auburn are also a combined sewer system; such portions are not part of the regulated MS4.

b. Excludes the city of Fort Wayne.